

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1.-35. (Canceled)

36. (New) A linearizer comprising an adaptation controller with M monitor signals input thereto and M control settings output therefrom, wherein the adaptation controller first determines M uncorrelated adjustment settings dependent on the M monitor signals, and then adjusts the M control settings using the M uncorrelated adjustment settings.

37. (New) An amplifier comprising:

a signal cancellation circuit; and

a distortion cancellation circuit,

wherein at least one of the signal and distortion cancellation circuits comprises an adaptation controller with M monitor signals input thereto and M control settings output therefrom, and wherein the adaptation controller first determines M uncorrelated adjustment settings dependent on the M monitor signals, and then adjusts the M control settings using the M uncorrelated adjustment settings.

38. (New) A method for an amplifier having an adaptation controller with M monitor signals input thereto and M control settings output therefrom, said method comprising the steps of:

determining M uncorrelated adjustment settings dependent on the M monitor signals; and adjusting the M control settings using the M uncorrelated adjustment settings.